

# Zhengxiao Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

1,253  
citations

516561

16  
h-index

580701

25  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1573  
citing authors

#	ARTICLE	IF	CITATIONS
1	Precision Microbiome Modulation with Discrete Dietary Fiber Structures Directs Short-Chain Fatty Acid Production. <i>Cell Host and Microbe</i> , 2020, 27, 389-404.e6.	5.1	298
2	Impact of Fecal Microbiota Transplantation on Obesity and Metabolic Syndrome—A Systematic Review. <i>Nutrients</i> , 2019, 11, 2291.	1.7	132
3	Fecal microbial transplantation and fiber supplementation in patients with severe obesity and metabolic syndrome: a randomized double-blind, placebo-controlled phase 2 trial. <i>Nature Medicine</i> , 2021, 27, 1272-1279.	15.2	119
4	Comparison of DNA-, PMA-, and RNA-based 16S rRNA Illumina sequencing for detection of live bacteria in water. <i>Scientific Reports</i> , 2017, 7, 5752.	1.6	116
5	Extraction and modification technology of arabinoxylans from cereal by-products: A critical review. <i>Food Research International</i> , 2014, 65, 423-436.	2.9	102
6	Gut microbiota modulation with long-chain corn bran arabinoxylan in adults with overweight and obesity is linked to an individualized temporal increase in fecal propionate. <i>Microbiome</i> , 2020, 8, 118.	4.9	81
7	Not All Fibers Are Born Equal; Variable Response to Dietary Fiber Subtypes in IBD. <i>Frontiers in Pediatrics</i> , 2020, 8, 620189.	0.9	51
8	Feeding practice influences gut microbiome composition in very low birth weight preterm infants and the association with oxidative stress: A prospective cohort study. <i>Free Radical Biology and Medicine</i> , 2019, 142, 146-154.	1.3	50
9	Prebiotic dietary fibre intervention improves fecal markers related to inflammation in obese patients: results from the Food4Gut randomized placebo-controlled trial. <i>European Journal of Nutrition</i> , 2021, 60, 3159-3170.	1.8	46
10	A Diversified Dietary Pattern Is Associated With a Balanced Gut Microbial Composition of Faecalibacterium and Escherichia/Shigella in Patients With Crohn's Disease in Remission. <i>Journal of Crohn's and Colitis</i> , 2020, 14, 1547-1557.	0.6	43
11	Impact of xylanases on gut microbiota of growing pigs fed corn- or wheat-based diets. <i>Animal Nutrition</i> , 2018, 4, 339-350.	2.1	41
12	Metabolite profiling reveals the interaction of chitin-glucan with the gut microbiota. <i>Gut Microbes</i> , 2020, 12, 1810530.	4.3	31
13	Elucidating the role of the gut microbiota in the physiological effects of dietary fiber. <i>Microbiome</i> , 2022, 10, 77.	4.9	31
14	The role of precision nutrition in the modulation of microbial composition and function in people with inflammatory bowel disease. <i>The Lancet Gastroenterology and Hepatology</i> , 2021, 6, 754-769.	3.7	27
15	Characterization of Nitric Oxide Modulatory Activities of Alkaline-Extracted and Enzymatic-Modified Arabinoxylans from Corn Bran in Cultured Human Monocytes. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 8128-8137.	2.4	20
16	Sex-Specific Differences in the Gut Microbiome in Response to Dietary Fiber Supplementation in IL-10-Deficient Mice. <i>Nutrients</i> , 2020, 12, 2088.	1.7	20
17	Noninvasive monitoring of fibre fermentation in healthy volunteers by analyzing breath volatile metabolites: lessons from the FiberTAG intervention study. <i>Gut Microbes</i> , 2021, 13, 1-16.	4.3	8
18	The impact of epidermal growth factor supernatant on pig performance and ileal microbiota. <i>Translational Animal Science</i> , 2018, 2, 184-194.	0.4	7

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19	Breath volatile metabolome reveals the impact of dietary fibres on the gut microbiota: Proof of concept in healthy volunteers. <i>EBioMedicine</i> , 2022, 80, 104051.	2.7	7
20	Chitin-glucan supplementation improved postprandial metabolism and altered gut microbiota in subjects at cardiometabolic risk in a randomized trial. <i>Scientific Reports</i> , 2022, 12, .	1.6	6
21	Regulation of inducible nitric oxide synthase by arabinoxylans with molecular characterisation from wheat flour in cultured human monocytes. <i>International Journal of Food Science and Technology</i> , 2018, 53, 1294-1302.	1.3	4
22	Leisure-Time Physical Activity before and during Pregnancy Is Associated with Improved Insulin Resistance in Late Pregnancy. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 4413.	1.2	4
23	397 Time Series and Correlation Network Analyses to Identify the Role of Maternal Microbiomes on Development of Piglet Gut Microbiome and Susceptibility to Neonatal Porcine Diarrhea.. <i>Journal of Animal Science</i> , 2018, 96, 213-213.	0.2	2
24	Breath volatile compounds and conjugated polyunsaturated fatty acids as metabolic biomarkers reflecting the interaction between chitin-glucan and the gut microbiota.. <i>Proceedings of the Nutrition Society</i> , 2020, 79, .	0.4	0
25	Chitin-Glucan Supplementation Altered Gut Microbiota and Improved Postprandial Metabolism in Subjects at Cardiometabolic Risk. <i>Current Developments in Nutrition</i> , 2022, 6, 331.	0.1	0